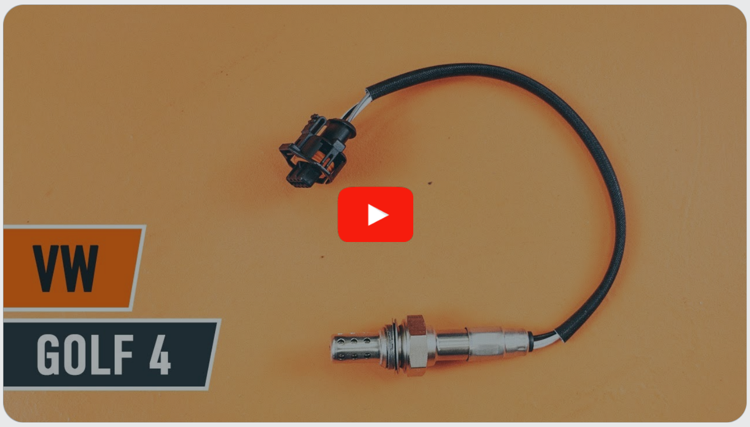
AUTODOC CLUB

How to change lambda sensor on **AUDI A8 (4H2, 4H8, 4HC, 4HL)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
AUDI A8 (4H2, 4H8, 4HC, 4HL) 4.2 FSI quattro

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Golf IV Hatchback (1J1) 1.6

REPLACEMENT: LAMBDA SENSOR – AUDI A8 (4H2, 4H8, 4HC, 4HL). TOOLS YOU MIGHT NEED:



- Electronic spray
- High-temperature ceramic grease
- Torque wrench
- Drive socket # 10
- 22-mm oxygen sensor socket
- Ratchet wrench
- Thread tap
- Fender cover

Buy tools

Replacement: lambda sensor – AUDI A8 (4H2, 4H8, 4HC, 4HL). AUTODOC experts recommend:

- After replacing the oxygen sensor, clear the trouble code from the electronic control unit and let the ECU adapt itself to the new sensor.
- Before getting down to work, start the engine and let it warm up to operating temperature.
- Please note: all work on the car – AUDI A8 (4H2, 4H8, 4HC, 4HL) – should be done with the engine switched off.

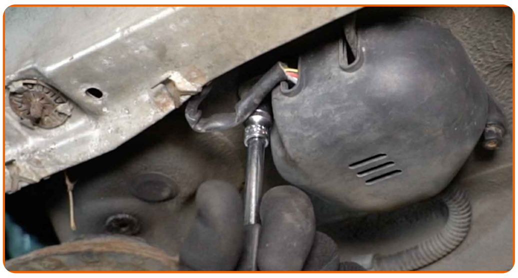
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet.

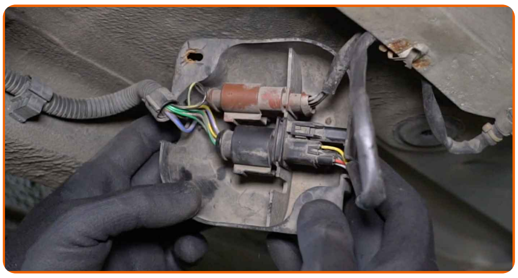
2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Lift the car using a jack or place it over an inspection pit.

4 Unscrew the fasteners of the oxygen sensor housing cover. Use a drive socket #10. Use a ratchet wrench.



5 Remove the oxygen sensor housing cover.



6 Detach the oxygen sensor connector.



7 Unscrew the oxygen sensor fastener. Use a 22-mm oxygen sensor socket. Use a ratchet wrench.



8 Remove the oxygen sensor.



9 Cut the thread for the new oxygen sensor. Use a thread tap. Use a ratchet wrench.



10 Treat the oxygen sensor. Use high-temperature ceramic grease.

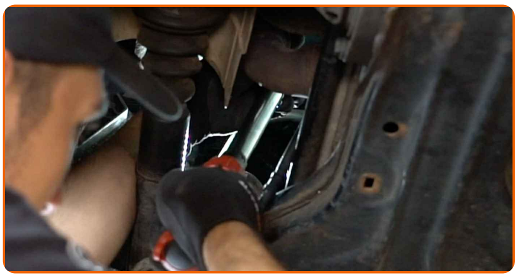
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Install the new oxygen sensor.



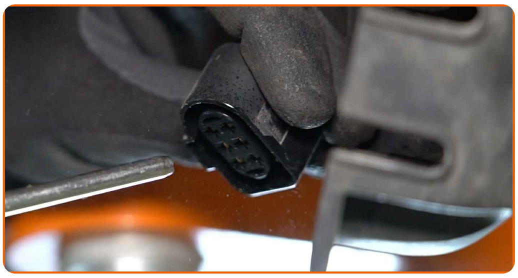
12

Tighten the oxygen sensor fastener. Use a 22-mm oxygen sensor socket. Use a torque wrench. Tighten it to 37 Nm torque.



13

Treat the oxygen sensor connector. Use dielectric grease.



14

Attach the oxygen sensor connector.

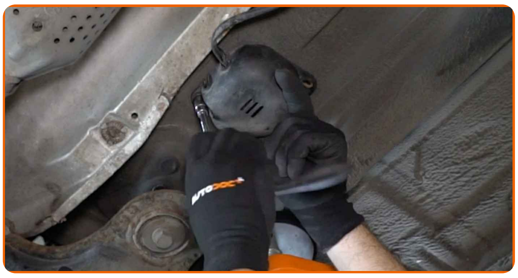


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Install the oxygen sensor housing cover.



16 Screw in the fasteners of the oxygen sensor housing cover. Use a drive socket #10. Use a ratchet wrench.



17 Lower the car.

18 Switch on the ignition. This is necessary in order to make sure that the component operates properly.

19 Switch off the ignition.

20 Remove the fender protection cover.

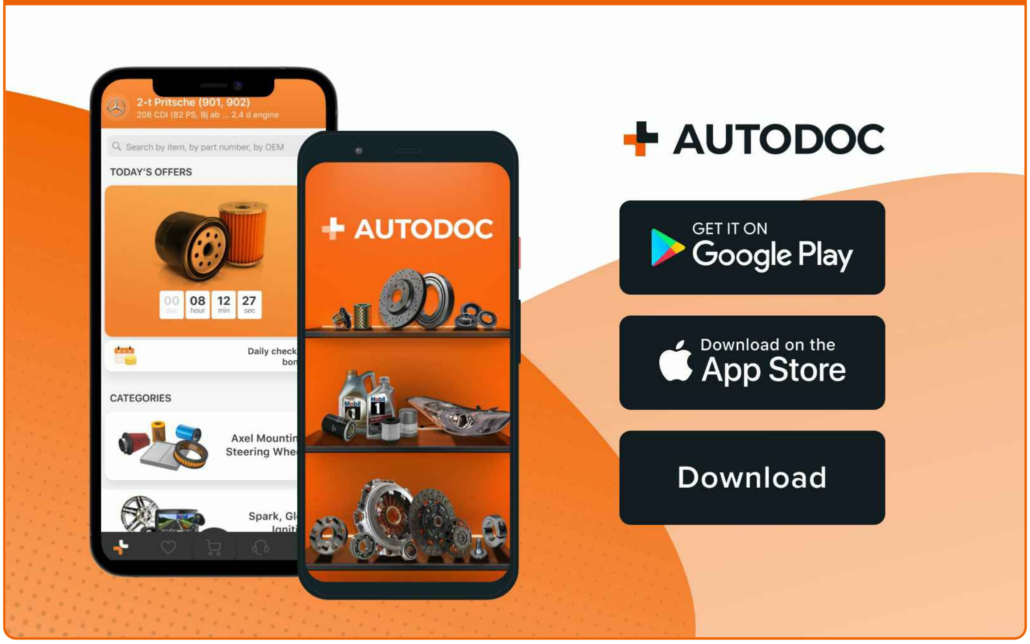
21 Close the hood.

WELL DONE!

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